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6. Title/Sub-title: Moment stability Derivatives of N A G Missile Configuration at Low Speed using Semi-free Dynamic Flying

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14. Keywords: Dynamic Flying, Stability Derivatives

15. Abstract: Dynamic flying of scaled model exploits the advantages of flight test methodology and wind tunnel flexibility to generate stability derivative data in evaluated using dynamic flying A l: 1.45 scaled model is flown in a low speed tunnel and its pitching response to servoed tail drive doublet is analysed using Maximum Likelihood Estimation method. The results indicate a low angle of attack static instability for the tested configuration.

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